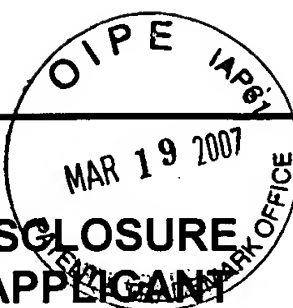


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Application Number	10/689,122
Filing Date	10/20/2003
First Named Inventor	Tabassum Naqvi
Group Art Unit	1641
Examiner Name	Shafiqul Haq
Attorney Docket Number	3817.14-1

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date/ Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	P1	U.S. 5,225,349	06/06/1993	Hubertus Irth, et al.	Entire document
	P2	U.S. 5,393,912	02/28/1995	Ching-Shih Chen, et al.	Entire document
	P3	U.S. 6,087,483	07/11/2000	Katsuhiko Mikoshiba, et al.	Entire document
	P4	U.S. 5,252,707	10/12/1993	Shoichiro Ozaki, et al.	Entire document
	P5	U.S. 5,977,311	11/02/1999	Krishnan Nandabalan, et al.	Entire document
	P6	U.S. 4,708,929	11/24/1987	Daniel R. Henderson	Entire document
	P7	U.S. 3,817,837	06/18/1974	Rubenstein, et al.	Entire document
	P8	U.S. 3,852,157	12/03/1974	Rubenstein, et al.	Entire document
	P9	U.S. 3,875,011	04/01/1975	Rubenstein, et al.	Entire document
	P10	U.S. 3,905,871	09/16/1975	Rubenstein, et al.	Entire document
	P11	U.S. 3,935,074	01/27/1976	Rubenstein, et al.	Entire document
	P12	U.S. 3,966,556	06/29/1976	Rubenstein, et al.	Entire document
	P13	U.S. 3,996,345	12/07/1976	Ullman	Entire document
	P14	U.S. 3,998,943	12/21/1976	Ullman	Entire document
	P15	U.S. 4,039,385	08/02/1977	Ullman, et al.	Entire document
	P16	U.S. 4,040,907	08/09/1977	Ullman, et al.	Entire document
	P17	U.S. 4,043,872	08/23/1977	Blakemore, et al.	Entire document
	P18	U.S. 4,046,636	09/06/1977	Ullman, et al.	Entire document
	P19	U.S. 4,065,354	12/27/1977	Ullman, et al.	Entire document
	P20	U.S. 4,067,774	01/10/1978	Rubenstein, et al.	Entire document
	P21	U.S. 4,130,462	12/19/1978	Rubenstein, et al.	Entire document
	P22	U.S. 4,134,792	01/16/1979	Bogulaski, et al.	Entire document
	P23	U.S. 4,160,016	07/03/1979	Ullman, et al.	Entire document
	P24	U.S. 4,160,645	07/10/1979	Ullman	Entire document
	P25	U.S. 4,161,515	07/17/1979	Ullman, et al.	Entire document
	P26	U.S. 4,171,244	10/16/1979	Blakemore, et al.	Entire document
	P27	U.S. 4,174,384	11/13/1979	Ullman, et al.	Entire document
	P28	U.S. 4,191,613	03/04/1980	Ullman, et al.	Entire document
	P29	U.S. 4,193,983	03/18/1980	Ullman, et al.	Entire document
	P30	U.S. 4,208,479	06/17/1980	Zuk et al.	Entire document
	P31	U.S. 4,213,893	07/22/1980	Carrico et al.	Entire document
	P32	U.S. 4,281,061	07/28/1981	Zuk et al.	Entire document
	P33	U.S. 4,318,980	03/09/1982	Bogulaski, et al.	Entire document
	P34	U.S. 4,318,983	03/09/1982	Hornby et al.	Entire document
	P35	U.S. 4,378,428	03/29/1983	Farina et al.	Entire document
	P36	U.S. 6,770,451	08/03/2004	Rouhani, et al.	Entire document
	P37	U.S. 2005/0136488	06/23/2005	Horecka, et al.	Entire document

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P38	U.S. 2006/0105377	05/18/2006	Richard M. Eglen	Entire document
P39	U.S. 2006/0199238	09/07/2006	Charter, et al.	Entire document
P40	U.S. 7,135,325	11/14/2006	Naqvi, et al.	Entire document
P41	U.S. 6,770,451	08/03/2004	Rouhani, et al.	Entire document
P42	U.S. 2004/0137480	07/15/2004	Richard M. Eglen	Entire document
P43	U.S. 2003/0092070	05/15/2003	Zhao, et al.	Entire document
P44	U.S. 2007/0015232	01/18/2007	Olson, et al.	Entire document
P45	U.S. 2006/0292656	12/28/2006	Singh, et al.	Entire document
P46	U.S. 2004/0018562	01/29/2004	Rouhani, et al.	Entire document
P47	U.S. 4,956,274	09/11/1990	Khanna, et al.	Entire document

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		WO 95/19373	07/20/1995	The Board of Governors for Higher Education, State of Rhode Island and Providence Plantations	Entire document	
		EP 0 992 587 A2	04/12/2000	Mikoshiba, et al.	Entire document	

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

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	A1	DAVID S. BREDT, et al., "A Simple, Sensitive, and Specific Radioreceptor Assay for Inositol 1,4,5-Trisphosphate in Biological Tissues," <i>Biochemical and Biophysical Research Communications</i> , March 31, 1989, Vol 159, No. 3 976-982.	
	A2	S. R. HINGORANI, et al., "A Rapid Ion-Exchange Assay for Detergent-Solubilized Inositol 1,4,5-Trisphosphate Receptors," <i>Anal Biochem</i> , 1991, Vol. 194, 204-213.	
	A3	MASATO HIRATA, et al., "Stereospecific Recognition of Inositol 1,4,5-Trisphosphate Analogs by the Phosphatase, Kinase, and Binding Proteins," <i>J. Biol. Chem.</i> , 1990, Vol 265, 15, 8404-8407.	
	A4	LORRAINE ANDERSON, et al., "Rapid and selective isolation of radiolabelled inositol phosphates from cancer cells using solid-phase extraction," <i>J. Chromatog</i> , 1992, Vol. 574, 150-155.	
	A5	JAMES F. MARECEK, et al., "New tetherable derivatives of myo-inositol 2,4,5- and 1,3,4-trisphosphates," <i>Carbohydrate Res</i> , 1992, Vol. 234, 65-73.	
	A6	DA-MING GOU, et al., "D-myo-Inositol 1,4,5-Trisphosphate Analogues as Useful Tools in Biochemical Studies of Intracellular Calcium Mobilization," <i>Bioorg & Medici Chemistry</i> , 1994, Vol. 2, No. 1, 7-13.	

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3

A7	ADAM I. KAPLIN, et al., "Purified Reconstituted Inositol 1,4,5-Trisphosphate Receptors Thiol Reagents Act Directly on Receptor Protein", <i>J. Biol. Chem.</i> , November 18, 1994, Vol. 269, No. 46, 28972-28978.
A8	WOAN-RU SHIEH, et al., "Preparation and characterization of a D-myo-inositol 1,4,5-trisphosphate-specific antibody," <i>Biochem. J.</i> , 1995, 311, 1009-1014.
A9	JIAN CHEN, et al., "Asymmetric Total Synthesis of D-myo-Inositol 1,2,4,5-Tetrakisphosphate and Its P-2-(O-Aminopropyl) Derivative," <i>J. Org. Chem.</i> , 1996, 61, 393-397.
A10	CHANGSHENG LIU, et al., "Synthesis of 3-Position-Modified Analogues of myo-Inositol 1,4,5-Trisphosphate, Tools for Investigation of the Polyphosphoinositide Pathway of Cellular Signaling," <i>J. Org. Chem.</i> , 1997, 62, 8335-8340.
A11	FABIO ROSSI, et al., "Monitoring protein-protein interactions in intact eukaryotic cells by β -galactosidase complementation," <i>Proc. Natl. Acad. Sci. USA</i> , August 1997, Vol 94, 8405-8410.
A12	SIMON DOWLER, et al., "Identification of pleckstrin-homology-domain-containing proteins with novel phosphoinositide-binding specificities," <i>Biochem. J.</i> , 2000, 351, 19-31.
A13	MARK A. LEMMON, et al., "Signal-dependent membrane targeting by pleckstrin homology (PH) domains," <i>Biochem. J.</i> , 2000, 350, 1-18.
A14	JOHN C. OWICKI, "Fluorescence Polarization and Anisotropy in High Throughput Screening: Perspectives and Primer," <i>J. of Biomol. Screening</i> , 2000, 5, 297-306.
A15	TAKASHI MORII, "A New Fluorescent Biosensor for Inositol Trisphosphate," <i>J. Am. Chem. Soc.</i> , 2002, Vol 124, 7, 1138-1139.
A16	ROGER BOSSE, et al., "Rapid and ultra-sensitive detection of cAMP and IP ₃ using the homogeneous and non-radioactive platform AlphaScreen™," <i>Experimental Biology</i> , 2002, Meeting Abstracts 446.5.
A17	JAMEL S. HAMADA, "Scale-up potential of ion-pair high-performance liquid chromatography method to produce biologically active inositol phosphates," <i>Journal of Chromatography A</i> , 2002, 944, 241-248.
A18	BRIAN D. HAMMAN, et al., "Binding of a Pleckstrin Homology Domain Protein to Phosphoinositide in Membranes: A Miniaturized FRET-Based Assay for Drug Screening," <i>J. Biomol. Screening</i> , 2002, 7, 45-55.
A19	PERKINELMER LIFE SCIENCES, "Performing AlphaScreen™ IP ₃ Functional Assays," 2002, PerkinElmer Life Sciences, Inc.
A20	ANDREW M. RILEY, et al., "Interactions of Inositol 1,4,5-Trisphosphate (IP ₃) Receptors with Synthetic Poly(ethylene glycol)-linked Dimers of IP ₃ Suggest Close Spacing of the IP ₃ -binding Sites," <i>J. Biol. Chem.</i> , October 25, 2002, Vol. 277, 43, 40290-40295.
A21	TSUYOSHI UCHIYAMA, et al., "A Novel Recombinant Hyperaffinity Inositol 1,4,5-Trisphosphate (IP ₃) Absorbent Traps IP ₃ , Resulting in Specific Inhibition of IP ₃ -mediated Calcium Signaling," <i>J. Biol. Chem.</i> , March 8, 2002, Vol 277, 10, 8106-8113.

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